



Harvard Coöperative Society.

ANNOTATION LABEL

BOTANICAL MUSEUM OF HARVARD UNIVERSITY

notes of Drs. B.L. Robinson + J.M. Greenman  
on Lewis + Clark's plants (Miss Day's  
hand writing? @ Dr. L. Perry 1890 ("The Plants of--"))  
see Meehan, Thomas, Proc. Acad. Nat. Sci. Phila., 1898: 12-49

Robert Bye

1 Sept. 1971

PEPSI-COLA

PEPSI-COLA

295







Present name of plant, followed by data on accompanying labels.

Bracketed notes added during identification.

Treatment of plant in Pursh's Flora, whenever specifically mentioned.

Bracketed notes added during identification.

*Anemone Canadensis*, L.

(*A. Pennsylvanica*, L.) Prairies,  
in the camp near the old Maha  
village. Aug. 17, 1804.

*Anemone quinquefolia*, L.

On the waters of the Hooskooskee,  
June 15, 1806. [Flowering stem  
with involucre.]

*Clematis Douglasii*, Hook.

[No label, a single flower  
but well identifiable.]

[with scarcely a doubt *C.*  
*hirsutissima*, Pursh, Fl. 385, being  
the only species ascribed to Lewis'  
Herbarium.] On the plains of  
the Columbia river. 4. May. v.s.  
in Herb. Lewis.

*Delphinium Menziesii*, DC.

On the Columbia, April 14, 1806.

A sort of Larkspur with 3  
styles. [Poor specimen.]

*Dentaria tenella*, Pursh. Pursh, Fl. 439. On the banks Columbia near Quicksands of the Columbia. 24. Apr. v.s. April 1, 1806. [Complete very in Herb. Lewis. slender plant.]

*Erysimum asperum*, DC. *E. lanceolatum*, Pursh, Fl. 436. On the Kooskooskee, June 1, 1806. (not R. Br.) On the banks [Whole plant, in flower.] of the Missouri. 8. June. v.s.

*Cleome integrifolia*, Torr. & Gray. *C. serrulata*, Pursh, Fl. 441.

*Cleome serrulata*, var. *rosea*, (On the banks of the novaspecies. Specimen from Missouri. 8. Aug. v.s. White River, August 29, 1806. in Herb. Lewis.)

Cleome - A new species. [Leaves are slightly serrulate and name should stand.]  
[Poor specimen.]

*C. integrifolia*, Torr. & Gray.

No. 43. August 25. growth of the open Prairies. Open prairies Aug. 25, 1804.

*C. serrulata*, Pursh, Fl. 441.

On the banks of the Missouri.

① Aug. v.s. in Herb. Lewis.

[Pursh says of it glabra which is certainly true of the stem and it may therefore be safely separated from the very pubescent plant *Polanisia trachysperma*, T. & G. (?) with which the specimen is mixed.]

*Cerastium arvense*, L.

Plains of Columbia, Apr. 22, 1806. [Good specimen.]

*C. elongatum*, Pursh, Fl. 321.

On the plains of Columbia River. M. Lewis. 4. April. v.s. in Herb. Lewis.

*Malvastrum coccineum*, Gray

A malvaceous small plant - probably a species of Malope. Plains of Missouri July 20, 1806. [Good specimen.]

*Cristaria coccinea*, Pursh,

Fl. 453. (In dry prairies and extensive plains of Missouri.

2. Aug. v.v.; v.s. in Herb. Lewis.

*Linum Lewisii*, Pursh. Pursh, Fl. 210 On the  
Perennial flax. Valleys of valleys of the Rocky-moun-  
the Rocky mountains, July tain and on the banks of  
9, 1806. [Excellent specimen.] the Missouri. M. Lewis.

4. July. v.v.

*Claytonia lanceolata*, Pursh. Pursh, Fl. 175, t. 3. On  
Headwaters of the Kooskoos- the Rocky-mountain.  
kee, June 27, 1806. M. Lewis. 4. July. v.s.  
[Good specimen.] in Herb. Lewis.

*Lewisia triphilla*, Rob.  
On the waters of the Koos-  
kooskee within the Rocky  
mountains. June 27. 1806.  
(*Claytonia triphylla*, Wats.)  
[Extends range to Idaho.]

*Lewisia rediviva*, Pursh. The Pursh, Fl. 368. On the banks of Indians eat the root of this. Near Clark's river. 4. July. v.s. in Clark's R. July 1, 1806. The calyx Th. Lewis. consists of 6 or 7 leaves the corolla many petals and stamens many .... capsule. [Several flowers only.]

*Montia pariflora*, Howell, form. On the Columbia, in moist ground, March 26, 1806. [A very poor and indefinite specimen.]

*Montia pariflora*, Howell. Rocky camp. Apr. 17, 1806. [Good specimen.]

*Claytonia perfoliata*, Pursh (not Don), Fl. 176. On the Rocky-mountain. M. Lewis. O. Apr. May. v.v. in short.

*Montia sibirica*, Howell. Columbia R. Apr. 8. 1806- [Fair specimen.]

*Claytonia alsinoides*, Pursh, Fl. 175. On the Columbia river. M. Lewis. O. May, June. v.v. in short.

*Pachystima Myrsinoides*, Raf.  
Rocky mountains. June 16, 1806

*Ilex?* *myrsinoides*, Pursh, Fl. N.Y.  
On the Rocky mountains  
and near the Pacific Ocean.  
M. Lewis. T. July, Aug. v.s.  
in Herb. Lewis.

*Pachystima Myrsinoides*, Raf. Pursh, Fl. l.c.  
A small shrub about 4 feet high  
with a small deep purple berry,  
evergreen. Near the Pacific  
Ocean. Nov. 16, 1805. [Second  
specimen.]

*Genothis velutinus*, Dougl.  
An evergreen. A shrub about 8  
or 9 f. high. On the Rocky  
mountains. Waters of the Koos-  
kookee. [Probably not the  
*G. sanguineus*, Pursh, although  
that species collected by Lewis  
does not appear in collection.]

19  
Rhamnus Purshiana, DC.

A shrub apparently a species of Rhamnus. About 12 feet high in clumps. fruit a 5-valved purple berry which the natives eat and esteem highly. The berry depressed globous. On the waters of the Loos koos kee. May 29, 1806.

R. alnifolius, Pursh (not michx.)

Fl. 166. On the banks of the Kooskooskey, M. Lewis. 2. May. v. s. in Oberb. Lewis.

Rhus Canadensis, var. trilobata,

Gray.

No. 57. Oct. 1, 1804. first discovered in the neighbourhood of the Kanceg river - now very common. the growth of the little copses which appear on the steep declivities of the hills where they are sheltered from the ravages of fire. Common on the declivity of hills. Oct. 1.

1804.

*Cissus Ampelophaea*, Pers.

near Counsel Bluffs, Missouri,

Sept. 14. 1806. [Leaves, stem,  
peduncles, and pedicels.—Lewis'  
specimen not mentioned by  
Pursh, who gives range of species  
as Alleghany Mts., Pennsylvania  
to Carolina.]

*Acer circinatum*, Pursh.

A very handsome species of  
maple. (In the great rapids of  
Columbia. Oct. 1805. [Sterile  
but highly characteristic and  
unmistakable.]

*Acer macrophyllum*, Pursh.

A large timber tree from the  
grand rapids of the Columbia.

Apr. 10. 1806. [A single leaf  
but readily recognizable.]

Pursh, Fl. 267. (On the great  
rapids of Columbia river.  
M. Lewis. t. v.s. s. fl.

Pursh, Fl. 267. (On the great  
rapids of the Columbia river  
M. Lewis. t. Apr. v.s.

11

*Polygala alba*, Nutt.

A kind of Seneca snake-root;  
On the Missouri R. Aug. 10. 1806.  
[Fairly complete specimen.]

*Polygala Seneca*, var. *Tenuifolia*  
Pursh, Fl. 750. On the Missouri,  
Lewis and Bradbury, v. s.

*Amorpha fruticosa*, var. *r*  
*angustifolia*, Pursh. On the  
great bend of the Missouri, Aug. 27.  
1806. [Good specimen in fruit.]

Pursh, Fl. 466, var. *r*. v. s. in  
Herb. Lewis.

*Astragalus Missouriensis*, Nutt.  
No. 36. 18<sup>th</sup> Sept. the growth of  
the high Prairies.

*Astragalus Mortoni*, Nutt.  
No. 46. The growth of the open  
prairies taken 15<sup>th</sup> of Sept. 1804.  
*Astragalus*. Nov. spec. Open  
prairies, Sept. 5. 1804. May  
be *A. uralensis*? L.

\* *Lupinus argenteus*, Pursh.  
On the Cokahlaishkit, July 7,  
1806. Flowers yellowish-white.  
[Good specimen.]

Pursh, Fl. 468. On the banks  
of the Kooskoosky. M. Lewis. 4.  
June, July. v.s. in Herb. Lambert.  
Flowers small cream-colored.

\* *Lupinus sericeus*, Pursh. Pursh, Fl. 468. On the banks  
new species. Flowers cream-colored of the Kooskoosky. M. Lewis. 4.  
with a small tinge of blue. - , July. v.s. in Herb. Lewis.  
On the Kooskooskee, June 5, 1806. Flowers purple, or rose-colored.  
[Tolerable specimen.]

\* The labels of these two specimens  
were confused.

*Oxytropis mana*, Nutt. var.  
Near the head of Clark's River.  
July, 1806. [Differs from type  
in having calyx teeth longer;  
also plant larger, leaflets longer.]

*O. argenteata*, Pursh, Fl. 473.  
On the banks of Clark's river.  
M. Lewis. 4. July. v.s. in Herb.  
Lewis.

*Petalostemon violaceus*, Michx. Pursh, Fl. 461. In Tennessee,  
On the Missouri. July 22, 1806. Illinois, and on the banks of  
[Stem, leaves, & spike of flowers.] the Missouri. 4. July - Sept. v.v.

*Petalostemon violaceus*, Michx. Pursh, Fl. L.C.

Found Sept. 2<sup>nd</sup> the Indians use it as an application to fresh wounds, they bruise the leaves adding a little water and apply it. [Sterile specimen only and accordingly doubtful.]

*Psoralea argophylla*, Pursh.

No. 48. No. 103. Oct. 17. 1804. A decoction of the plant used by the Indians to wash their wounds. [Sterile but characteristic specimen.]

Pursh, Fl. 475. On the banks of the Missouri. H. v.s.

*Psoralea tenuiflora*, Pursh.

Big bend of Missouri. Sept. 21, 1804. [Stem and leaves.]

Pursh, Fl. 475. On the banks

of the Missouri. M. Lewis. H.

Sept. v.s. in Herb. Lewis.

*Trifolium megacephalum*, Nutt.

A species of clover near Rockford Camp on high hills. Apr. 17. 1806.

[Specimen consists of a head on peduncle and several detached leaves.]

*Lupinastrum macrocephalum*, Pursh

Fl. 479, T. 23. At the head waters of the Missouri. M. Lewis. H.

April, May. v.s. in Herb. Lewis.

*Trifolium microcephalum*, Pursh. Pursh, Fl. 478. On the banks  
Valley of Clark's R. July 1, 1806. of Clark's river. M. Lewis.  
[Good specimen, corresponds  
well with later plants placed  
in species.]

24. July. v.s. in Herb. Lewis.

*Amelanchier alnifolia*, Nutt. *Pyrus sanguinea*, Pursh, Fl. 340,  
Service berry. A small bush, in part. In Canada and on  
the narrows of Columbia River. the banks of the Columbia.

Apr. 15. 1806.

2. Apr. May. v. v.

*Crataegus Douglasii*, Lindl. Deep purple Haw. Columbia  
R. Apr. 29. 1806.

*C. glandulosus*, Pursh, Fl. 337,  
in part, not Willd. M. Lewis.  
Exq. collected it on the Rocky mountains.

*Geum triflorum*, Pursh.  
(On open ground common  
on the waters of the Kooskoos-  
kee, June 12, 1806. No. 2.

*Geum ciliatum*, Pursh, Fl. 352.  
On the banks of the Kooskoosky.  
24. June, v.s. in Herb. Lewis.

*Pirus sambucifolia*, Cham. & Schlecht.?  
On the tops of the highest peaks & mountains  
June 27. 1806. In the Rocky mountains. [Specimen  
very poor, sterile not precisely determinable.]

5

*Potentilla anserina*, L.

The roots are eat - by the natives &  
taste like sweet potatoes, grows in  
marshy ground, Fort Clatsop, March  
13, 1806.

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*Potentilla fruticosa*, L.

Prairy of the Knobs, July 5, 1806. [Small but characteristic specimen.]  
Pursh, Fl. 355. (On the banks of  
rivers in Canada and on the waters  
of the Rocky-mountains, June - Aug.  
Lewis. v.v. in Hortis. v.s. in Herb.  
Lewis.

7.  
Prunus demissa, Nutt.

Prunus, a cherry found near  
the beaver tents on the Missouri  
Aug. 18, 1806. [Specimen poor and  
sterile.]

Prunus Virginiana, L.

Prunus - Choak or Pidgeon cherry.  
On the waters of the Kooskoosky.  
29 May, 1806. [Specimen poor  
and sterile.]

*Prunus?* Near the base of the Rocky mount on the west side near Collins's creek. The shrub about 6 or 7 feet high, June 27, 1806.  
[Unrecognizable.]

*Prunus?* A shrub about 6 feet high from the Kooskooskee, May 7, 1806. [Unrecognizable, dark purple stem, elliptic serrulate leaves.]

*Prunus* sp. a smaller shrub than the chokeberry, the natives count it a good fruit. On the Kooskooskee. 29, May, 1806. [Too poor for identification.]

*Purshia tridentata*, DC. A shrub common to the open prairie of the Knobs, July 6, 1806. [Good specimen.]

*Tigarea tridentata*, Pursh, Fl. 333, t. 15. In the prairies of the Rocky-mountains and on the Columbia river. T. July. v. s. in Herb. Lewis.

7

*Rosa Woodsii*, Lindl.

No. 50. Oct. 18. The small rose  
of the prairies - it rises from 12 to 14  
Inches high - does not vine. Rosa-  
Open prairies, Sept. 5. 1804.

*Rubus Nutkana*, var. *velutina*,  
Brew. A shrub of which the  
natives eat the young sprout without  
kooking. On the Columbia. Apr. 15, 1806.

*Rubus spectabilis*, Pursh.  
Fruit like a raspberry, Columbia.  
March 27, 1806. [A fairly good  
specimen showing stem, leaves  
and flowers.]

Pursh, Fl. 348, t. 16. On the banks  
of the Columbia, M. Lewis. On  
the north west coast, Menzies. t.  
Apr. May. v.s. in Herb. Lewis,  
nec non Banks.

*Spiraea discolor*, Pursh.  
A shrub growing much in the  
manner of nine bark. (On the  
waters of the Kooskooskee, May  
29, 1806.

Pursh, Flora, 342. On the  
banks of the Kooskoosky. t.  
June, July. v.s. in Herb. Lewis.

2  
4  
*Philadelphus Lewisii*, Pursh? Pursh, Fl. 329.

A shrub from the Kooskoosky,  
May 6, 1806. On *Philadelphus*?  
[Sterile and too poor for certain  
identification.]

*Philadelphus Lewisii*, Pursh.

On the waters of Clark's R.  
July 4, 1806. [Fairly good  
flowering specimen.]

Pursh, Fl. 329. On the waters  
of Clark's river. T. July.  
v.s. in Herb. Lewis.

*Ribes aureum*, Pursh.

Yellow flowering Currant. Near  
the narrows of the Columbia R.  
Apr. 16, 1806. [Very poor specimen.]

Pursh, Fl. 164. On the banks of  
the rivers Missouri and Columbia.  
M. Lewis. T. Apr. v.s. in Herb.  
Lewis. v.v. in Hort.

*Ribes aureum*, Pursh.

Yellow Currant of the Missouri  
July 29, 1805. [The iting but from  
date not the type.]

Pursh, Fl. 164.

*Ribes Mengesii*, Pursh,?

Deep purple Gooseberry. Colum-  
bia R. Apr. 8, 1806.

Fl. 732.

[Pursh does not mention Lewis,  
specimen or its range.]

*Ribes sanguineum*, Pursh.  
Columbia, March 27, 1806.

Pursh, Fl. 164. On the Columbia river. M. Lewis. 2. March. v.s. in Herb. Lewis.

*Ribes viscosissimum*, Pursh.  
Fruit indifferent and gummy.  
The heights of the Rocky mountains North America. M. Lewis. 2.  
June 16, 1806.

Pursh, Fl. 163. On the Rocky-  
mountains in the interior of  
North America. M. Lewis. 2.  
June, v.s. in Herb. Lewis.

*Clarkia pulchella*, Pursh.  
A beautiful herbaceous plant  
from the Kooskooskee & Clark's  
R. June 1. 1806. [Fair specimen.]

Pursh, Fl. 260. t. 11. On the  
Kooskoosky and Clark's rivers.  
M. Lewis. 2. June. v.s.

*Oenothera cæspitosa*, Nutt.  
Near the falls of the Missouri.  
17 July, 1806. [Good specimen.]

*O. cæspitosa*, Pursh, Fl. 263. On the  
falls of the Missouri. M. Lewis. 2.

July. v.s.

*O. cæspitosa*, Pursh, Fl. 735. On  
the banks of the Missouri. M. Lewis.  
2. June, July. v.s. specimen  
imperfectum in Herb. Lewis.

*Comandra heterantha*, Nutt.

In moist-ground on the  
squashash flats. June 14, 1806.

[Good specimen.]

*Sedum stenopetalum*, Pursh.  
Valley of Clark's River. July 1,  
1806. On the Naked rocks on  
the Kooskooskee, June 5, 1806.

Pursh, Fl. 324. On rocks on  
the banks of Clark's river  
and Kooskoosky. H. June,  
July. v.s. in Herb. Lewis.

Angelica - within the Rocky  
mountain in moist-places.

June 25, 1806. The flowering  
one taken in Sept. 3<sup>rd</sup>, 1805.

[Label only.]

[Probably a *Pucedanum*,  
poor specimen, no fruit.]  
A large fusiform root which  
the natives prepare by baking.  
Near the Sepulchre Rock. On  
the Columbia River. April 14.

1806.

*Peucedanum leiocarpum*, Nutt. *Smyrnium nudicaule*, Pursh,  
Supposed to be a *Smyrnium*. Fl. 196. (On the Columbia river. M.  
The natives eat the tops and boil Lewis. 24. Apr. May. v. s. in Herb.  
it sometimes with their soups. Lewis. The natives eat the tops  
On the Columbia. April 15, 1806. of this plant and boil it in their  
soups, the same as we do celery.  
[Erroneously placed under *Ferula*  
and *Peucedanum nudicaule*, Nutt.]

*Peucedanum simplex*, Nutt. (or  
*P. triternatum*, Pursh.) A root 5

or 6 inches long eaten raw or  
boiled by the natives. (On the  
Kooskooskee. May 6. 1806.

[Leaves only and species very  
doubtful. *P. triternatum* is  
said to grow on the waters of  
the Columbia.]

*Peucedanum triculatum*, Nutt.? A great horse medicine among the natives. (On the Hoos-kooskee, June 10, 1806. grows on rich upland. [Specimen poor and not certainly identifiable.]

An umbelliferous plant of the root of which the Wallallows make a kind of bread. The natives called it Shappalell.

Apr. 29. 1806. [Sterile and not placed - leaves and root.]

[Label only.]

A species of fennel root eaten by the Indians, of an annis-seed taste. Flowers white.

Columbia River. Apr. 25. 1806.

*Phellandrium aquaticum*, Pursh (not L.) Fl. 195. (On the waters of the Rocky mountain, M. Lewis, 24. July. v.s. in Herb. Lewis. The Indians of that country use it as a medicine in the diseases of horses.

[Unidentifiable.]

An umbelliferous plant with large fusiform root which the natives bake and eat. On the Columbia.

Apr. 15. 1806.

[Unidentifiable, stems only.]

An umbelliferous plant of which the natives don't eat the root.

On the Columbia. Apr. 14. 1806.

*Cornus Canadensis*, L.

Root horizontal - June 16. 1806.

Collins Creek.

*Lonicera ciliosa*, Poir.

On the Kooskooskee, June 5, 1806.

*Caprifolium ciliatum*, Pursh,

Fl. 160. On the banks of the Kooskoosky - M. Lewis. T. June, v.s. in Herb. Lewis.

*Lonicera ciliosa*, Poir.

Rocky mountain. June 16. 1806.

[Poor and sterile but characteristic.]

*Caprifolium ciliatum* Pursh,

l.c. [but not type specimen.]

*Sonicera involucrata*, Banks.

Shrub within the Rocky mountains found in moist ground near branches of rivulets, July 7. 1806. No. 5. found on the waters of the Columbia, Sept. 2. 1805, the growth of a moist situation seldom rises higher than 6 or 8 feet - puts up a number of succulent sprouts forming a thick bush.

[Stems only.]

*Achillea millefolium*, L.

Cap on the Hooskooskee, May 20. 1806.

*A. tomentosa*, Pursh (not Willd.)

Fl. 563. On the banks of the Hooskoosky. M. Lewis. 24. June. v. s. in Herb. Lewis.

*Astropappus spinulosus*, DC.

Prairies Sept. 15. 1804.

*Amelanchier spinulosus*, Pursh. Fl.

564. In open prairies on the Missouri. M. Lewis. 24. Aug. Sept. v. s. in Herb. Lewis.

*Aplopappus* sp.

On the Columbia, Oct. 1805.

*Artemisia cana*, Pursh.

No. 55. Oct. 2. 1804. growth of  
the high Bluffs.

Pursh, Fl. 521. On the Missouri.

M. Lewis. 4. Sept.-Nov. u.s. in  
Herb. Lewis.

*Artemisia cana*, Pursh.

On the bluffs. Oct. 2. 1804.

Pursh, Fl. l. c.

*Artemisia cana*, Pursh.

On the bluffs. Oct. 1. 1804.

Pursh, Fl. l. c.

No. 60, 1804, Oct. 1. Another variety  
of wild sage growth of high and  
bottom prairies.

*Artemisia dracunculoides*, Pursh A. *Dracunculus*, Pursh (not L.)

No. 52. Sept. 15, 1804. growth of the Fl. 521. On the Missouri.

open plains. On the bluffs. Sept. M. Lewis. 4. Aug.-Oct. u.s.  
15. 1804. [Good specimen.] in Herb. Lewis.

*Artemisia frigida*, Willd. No. 41. found on the bluffs the 2<sup>nd</sup> of Sept. 1804. is the growth of open high situations. On the bluffs. Sept. 2. 1804.

[Good specimen.]

Pursh, Fl. 521. On the plains of the Missouri. M. Lewis.

4. Oct. Nov. v.s. in Herb. Lewis.

*Artemisia frigida*, Willd. No. 51. 1804, Oct. 3, radix perennial. 3 to 8 stalks as high as the specimen. growth of the high sides of the Bluffs.

Pursh, Fl. l.c.

*Artemisia longifolia*, Nutt. Wild sage on the bluffs. Oct. 1. 1804. No. 53. Oct. 3. flavor like the camomile. radix perennial growth of the high Bluffs.

*A. integrifolia*, Pursh (not Willd.)

Fl. 520. On the cliffs and dry savannahs of the Missouri.

M. Lewis. 4. Oct. v.s. in Herb. Lewis. about three feet high.

*Artemisia Ludoviciana*, Nutt.?

*Artemisia* species. Columbia R. Apr. 10, 1806. *Artemisia*-Rockford Camp.

*Aster oblongifolius*, Nutt.

Big Bend of the Missouri, Sept.

21, 1804.

*Aster Oregonus*, Nutt.

On Lewis River, October, 1805.

*Balsamorrhiza sagittata*, Nutt. *Buphthalmum sagittatum*, Pursh  
Rocky mountains - Dry hills. Fl. 564. On dry barren hills, in  
July 7, 1806.

the Rocky mountains. M. Lewis.

Fl. June, July. v.s. in Herb.

Lewis. The natives eat the young  
stems as they spring up, raw.

*Balsamorrhiza sagittata*, Nutt. *Buphthalmum sagittatum*,  
The stem is eaten by the natives Pursh, l.c.  
without any preparation. On the  
Columbia, April 14, 1806.

[*Bidens*-like composite, too  
poor to identify.] (On

Lewis River, Oct. 1805.

*Bigelowia graveolens*, Gray.  
A low shrub growing in the  
rocky dry hills on the Koos-  
kooskee. May 6, 1806.

*Bigelowia graveolens*, Gray.  
No. 54. Oct. 2. grows from 18  
inches to 2½ feet- many stalks  
from the same root, from which  
they issue near the ground- the  
radix perennial. The goat-  
or antelope feed on it in the  
winter, it is the growth of  
the high bluffs. High Bluffs;  
goats feed upon. 18 inches  
high. Oct. 2, 1804.

*Bigelowia graveolens*, var.  
*albicaulis*, Gray.  
15 Oct. 1805, on the Columbia  
river.

*Chrysocoma dracunculoides*,  
Pursh (not Lam.) Fl. 517. On  
high cliffs on the banks of the  
Missouri. M. Lewis. 4. Oct.  
v.s. in Herb. Lewis.

*Chrysocoma nauseosa*, Pall.  
in herb. Pursh, Fl. 517. On  
the banks of the Missouri.  
M. Lewis. 4. Oct. v.s. in Herb.  
Lewis.

*Cnicus edulis*, Gray.

Carduus - or Thistle - Roots  
eatable - Fort Clatsop. March

13, 1806.

*Eriophyllum cæpitosum*, Dougl. *Actinella lanata*, Pursh, Fl.  
On the uplands on the Koos-  
kooskee R. June 6, 1806.

560. On high lands of the Koos-  
koosky. M. Lewis. 4. June,  
July, v.s. in Herb. Lewis.

*Gaillardia aristata*, Pursh.  
Rocky mountains. Dry  
hills. July 7, 1806.

Pursh, Fl. 573. On dry hills on  
the Rocky-mountain, M. Lewis.  
♂. v.s. in Herb. Lewis.

*Grindelia squarrosa*, Dunal.  
No. 40. Taken on the 17<sup>th</sup> of August,  
1804, at our camp near the old  
Maha village & is the growth of the  
Prairies. *Anonymous balsamifera*  
New genus. Prairies; in the camp  
near the old Maha village, Aug.  
17, 1804. [Good specimen.]

*Donia squarrosa*, Pursh, Fl. 559.  
In open prairies on the banks  
of the Missouri. M. Lewis. 4.  
Aug. Sept. v.s. in Herb. Lewis;  
v.v. cult.

*Gutierrezia Euthamiae*, Torr.

Dr Gray. No. 32. Specimens of aromatic plants on which the Antelope feeds - these were obtained

Sept. 21<sup>st</sup> of 1805, at the upper part of the big bend of the Missouri.

Upper part of the big bend of the Missouri, Sept. 21, 1804.

*Solidago Sarothrae*, Pursh, Fl.

540. On the plains of the Missouri. M. Lewis. 24.

Sept. 21<sup>st</sup> of 1805. in Herb. Lewis.

*Gutierrezia Euthamiae*, Torr. &

Gray. No. 59. 1804, 19<sup>th</sup> September.

the growth of high and bear prairies which produce little grass, generally mineral earth. High bear prairies mineral earth with very little grass. Sept. 19, 1804.

*Solidago Sarothrae*, Pursh, Fl. l. c.

*Liatris pycnostachya*, Michx.

No. 35. Sept. 15, growth of the prairies. Prairies Sept. 15, 1804.

*Giatria scariosa*, Willd.

No. 53. 12<sup>th</sup> September, growth of high and dry prairies. High and dry prairies Sept. 12. 1804.

[Lewis specimen not mentioned by Pursh.]

*Matricaria discoides*, DC.

An agreeable smell. On the Kooskooskee, June 9, 1806.

*Santolina ~~sa~~aveolens*, Pursh,  
Fl. 520. On the banks of the Kooskooskee. M. Lewis. O. June, - Aug.  
v.v.; v.s. in Herb. Lewis.

*Microseris macrochæte*, Gray.

Rock camp. April 17. 1806.

*Solidago rigida*, L.

High dry prairies. Sept. 13, 1804.

[Composite? Poor, sterile and not placed - leaves opposite, much divided into narrow segments, very pubescent.] One of the most common plants of the plains of Columbia. May 27. 1806.

*Arctostaphylos Uva-ursi*, Spreng. No. 33. An evergreen plant which grows in the open plains usually. the natives smoke its leaves mixed with tobacco called by the French Engagee (?) Sacacommis. obtained at Fort Mandon. Fort Mandon - open plains - evergreen called Sacacommis, natives smoke its leaves.

*Arbutus Menziesii*, Pursh. A middle sized tree with a remarkable smooth bark which scales off in the manner of the birch; red berries in clusters. Columbia R. Nov. 1. 1805.

*Gaultheria Shallon*, Pursh. The Shallon; supposed to be a species of *Vaccinium*. On the coast of the Pacific Ocean. June 20. 1806.

*Arbutus Uva-ursi*, Pursh (not Willd.) Fl. 283. On the plains of the Mississippi the Indians smoke the leaves under the name of Sacacommis, and consider them of great medicinal value.

Pursh, Fl. 282. [but does not mention Lewis's specimen.]

Pursh, Fl. 283. On the falls of Columbia and near the western Ocean. M. Lewis. 5. May, June. v.s. in Herb. Lewis nec non Banks.

*Vaccinium myrtillus*, L.

New species - With a purple small  
berry eatable - an evergreen. Fort  
Clatsop - June 20, 1806.

*Vaccinium ovatum*, Pursh.

Pursh, Fl. 290. On the  
ashrub of 7 or 8 feet high, sup- Columbia river. M. Lewis.  
posed to be a species of *Vaccinium*. May.  
the berries are eaten by the natives.

On the Pacific Ocean - Fort Clatsop.

June, 27. 1806.

*Dodecatheon Meadea*, L.

Near the narrows of the Colum-  
bia R. Apr. 16. 1806.

*Frasera thyrsiflora*, Hook.

In moist wet- places - In  
the Squamash flats. June 14.  
1806. [Leaf only.]

*Swertia fastigiata*, Pursh, Fl.

101. On the Missouri flats,  
near the Rocky-mountains.

M. Lewis. 4. July. v.s. in Herb. Lewis.

*Gollomia linearis*, Nutt.

Rockford Camp. Apr. 17. 1806.

*Silia aggregata*, Spreng.

(On hungry creek, June 26, 1806.

[Flowering stem.]

*Gentia aggregata*

Pursh, Fl. 147. On the banks of

the Mississippi. M. Lewis.

8<sup>th</sup>. June. v.s. in Herb. Lewis.

*Polemonium caeruleum*, L.

Head waters of the Kooskoosky.

June 27. 1806.

*Phacelia circinata*, Jacq.

Root-fibrous, plant from 3-4  
feet high; dry situation. On the  
Kooskoosky. June 9. 1806.

[Poor specimen.]

*Phacelia heterophylla*, Pursh, Fl.

140. On dry hills on the banks  
of the Kooskoosky. M. Lewis.

8<sup>th</sup>. June, July. v.s. in Herb.  
Lewis.

*Phacelia Menziesii*, Torr.!

Rocky camp. Apr. 17. 1806.

*Hydrophyllum lineare*, Pursh,

Fl. 134. On the banks of the Mis-  
souri. M. Lewis. 24. April. v.s.  
in Herb. Lewis. [Specimen in  
Herb. Philad. Acad. showing  
flowers and leaves, root annual,  
not perennial.]

*Plagiobothrys Tenellus*, Gray.

Rocky Camp. Apr. 17. 1806.

*Krynitskia* sp.?

Rocky camp. Apr. 17. 1806.

*Nicotiana quadrivalvis*, Pursh. Pursh, Fl. 141. Cultivated and No. 45. Specimen of the Ricara's tobacco taken 12<sup>th</sup> of Oct. 1804. 12<sup>th</sup> of Oct. at the Ricara's town.

This is the tobacco which they cultivate.

spontaneous on the Missouri, principally among the Mandan and Ricara nations. O. July. v.v.; v.s. in Herb. Lewis nec non Nuttall. The Tobacco prepared from it is excellent. The most delicate tobacco is prepared by the Indians from the dried flowers.

*Collinsia parviflora*, Dougl.

Rockford Camp. April 17. 1806.

[From size of corolla apparently *C. parviflora* rather than *C. violacea* as placed by Gray. yet identity is not certain.]

*Antirrhinum Tenellum*, Pursh, Fl. 421. On the banks of the Missouri. M. Lewis. O. July. v.v.; v.s. in Herb. Lewis.

*Mimulus luteus*, L.

(On the waters of Clark's River.

July 4, 1806. [Indifferent specimens but showing stem, leaves

& flowers - upper portion of the plant is not glabrous as described by Pursh, i.e. but finely and densely glandular-pubescent.]

Pursh, Fl. 426. On the banks of Clark's river. M. Lewis.

On the north west coast, Pallas. 24. July, Aug. v.s. in Herb.

Lewis nec non Lambert.

*Orthocarpus tenuifolius*, Benth.

Valley of Clark's R. July 1, 1806.

[A good specimen, showing the root to be distinctly annual, not perennial as described. The color of the flower is not shown.]

*Bartsia tenuifolia*, Pursh, Fl.

429. On the banks of Clark's river. M. Lewis. 24. July. v.s. in Herb. Lewis.

*Pedicularis Groenlandica*, Retz.

On the low plains on the Heath of

Clark's R. July 6, 1806.

*P. uncinata*, Willd. [Pursh named

this *P. uncinata*, Willd. (Siberian)

on his label, but evidently discovered his error before publication as in

his Flora he gives *P. Groenlandica*.]

Pursh, Fl. 426. In low plains of the Columbia. M. Lewis. 24.

July. v.s. in Herb. Lewis nec non Lambert.

*Pedicularis scopulorum*, Gray?

On the low plains on the Heath  
of Clark's River. July 6. 1806.

*P. elata*, Pursh (not Willd.) Fl. 425.

In the low plains, on the waters  
of Clark's river. M. Lewis. 4. July.  
v.s. in Herb. Lewis. [ *P. elata*,  
Pursh, not Willd. has been doubt-  
fully referred to *P. bracteosa*, Benth.  
but it is certainly different. It  
has purple flowers as described, but  
the calyx is not glabrous but pubes-  
cent. In all characters shown it  
agrees well with *P. scopulorum*, Gray,  
notwithstanding difference in  
distribution and altitude.]

*Pentstemon diffusus*, Dougl.

Camp on the Kooskoosky. May  
20. 1806.

*Synthyridia reniformis*, var. "major", Hook. On Hungry Creek, June 26. 1806. [Does not well agree with *Veronica reniformis*, Pursh (ex char.) Fl. 10, for that is said to have a creeping stem, opposite leaves and alternate peduncles, and to have been collected in boggy soil on the banks of the Missouri.]

*Salvia lanceolata*, Willd.  
Big bend of Missouri, Sept. 21, 1804. [Good specimen.]

*S. trichostemoides*, Pursh, Fl. 19. In open plains of the Missouri river. M. Lewis. O. v.s. in Herb. Lewis.

*Scutellaria angustifolia*, Pursh.  
On the Kooskooskee, June 5, 1806.

Pursh, Fl. 412. On the river Kooskoosky. M. Lewis. H. June. v.s. in Herb. Lewis.

*Oxybaphus myctaginensis*, Sweet.  
Open plains. Sept. 1. 1804.  
[Fairly complete.]

*Allionia ovala*, Pursh, Fl. 97.  
On the plains of the Missouri, M. Lewis. O. Aug. v.s. in Herb. Lewis.

*Atriplex canescens*, James.  
Sept. 21, Big bend of the  
Missouri. Sept. 21. 1804.

*Calligonum canescens*, Pursh,  
Fl. 370. In the plains of the  
Missouri, near the Big-bend.  
t. July, Aug. v.s. in Herb.  
Lewis.

*Atriplex nuttallii*, Wats.  
A half shrub from the high  
plains of Missouri, July 20. 1806.

*Sarcobatus maculatus*, Torr.  
A small branching shrub from  
the plains of Missouri, July  
20. 1806.

*Polygonum bistortoides*, Pursh.  
*Polygonum*, near to *Bistorte*. In  
moist grounds on quamash flats,  
June 12. 1806. [Leaves and  
inflorescence.]

Pursh, Fl. 271. In low grounds  
on the banks of the Missouri, called  
Quamash-flats. M. Lewis. 4.  
June, v.s.

*Elaeagnus argentea*, Pursh. Pursh, Fl. 114. In the extensive Silver tree of the Missouri, From plains on the banks of the the prairie of the knobs. July 6, 1806. Missouri. M. Lewis and T. Nuttall  
 T. July. v.s. in Herb. Lewis.  
 Missouri silver tree.

*Shepherdia argentea*, Nutt. T. No. 39. It obtained at the mouth of the river Quicorre from which place upwards it is abundant; in the Missouri bottoms it is a pleasant twig to eat. it has much the flavor of the cranberry and continues on the bush through the winter. This is an evergreen shrub. Some plants are sent down by the large to the care of Capt. Stoddard at St. Louis. From the mouth of the river Quicorre & from there upwards in all the Missouri bottoms. The berry pleasant acid like cranberry & hang on all winter. Evergreen.

*Hippophae argentea*, Pursh Fl. 115. On the banks of the Missouri. M. Lewis. T. v.s. in Herb. Lewis.

*Euphorbia heterophylla*, L.

No. 38. 1804. Oct. 4. the growth of  
the High Prairies or plains. High Mississippi.  $\frac{1}{2}$ . O. June, July.  
prairies & plains. Oct. 4. 1804.

*E. cyathophora*, Pursh (not Willd.)

Fl. 605. On the banks of the  
Mississippi.  $\frac{1}{2}$ . O. June, July.

*Euphorbia marginata*, Pursh.

On the Yellowstone River, July  
28, 1806.

Pursh, Fl. 607. On the Yellow-

stone river. M. Lewis. O. July,  
u.s. in Herb. Lewis.

*Maclura aurantiaca*, Nutt.

[No label - sterile specimen.]

*Betula*?

Black Alder of the Pacific Ocean,  
grows to a large size. March 26,  
1806. [Specimens consist only of  
fragmentary sterile catkins.]

*Quercus Garryana*, Dougl.

A sort of white Oak - Columbia.  
March 26, 1806.

*Quercus macrocarpa*, Michx.

No. 34. The leaf of Oak which is common to the Prairies. 5 Sept:

1804. Common to the Prairies.

Sept. 5, 1804.

*Populus monilifera*, Ait.

Cotton tree of the Mississippi & Missouri. Aug. 1806.

*P. angulata*, Pursh (not Willd.)

Fl. 619. It is known by the name of Mississippi Cotton Tree. [Lewis' specimen not mentioned.]

*Populus trichocarpa*, Torr. & Gray.

Cotton tree of the Columbia

River. June, 1806.

*Calyptro borealis*, Salisb.

Waters of hungry creek. Rocky mountain. June 16, 1806.

Pursh, Fl. 593. On the Columbia

river. M. Lewis. 4. May, June. v.s. in Herb. Lewis.

*Iris missouriensis*, Nutt. [so *Iris sibirica*, Pursh (not Willd.)

far as fragmentary specimen shows.]

A pale blue species of Missouri. M. Lewis. 4. July, Flag. Prairie of the Knobs. July 5, 1806. v.v.; v.s. in Herb. Lewis.

Fl. 30. On the banks of the

Missouri. M. Lewis. 4. July,

Allium sp.? (On the waters of the Kooskooskee, Apr. 30, 1806.

[Very poor sterile specimen.]

[Perhaps a part of] *A. angulosum*, Willd. of Pursh Fl. 223.

On the banks of the Missouri. M. Lewis and Nuttall. 4. July. v. s. in Herb. Lewis.

*Brodiaea Douglasii*, Wats.

Hyacinth of the Columbia plains. Apr. 20, 1806. [Good specimen.]

[Watson's synon. wrong Proc. Am. Acad. xiv. 238, where Pursh's *grandiflora* is placed under *laeta*.]

*B. grandiflora*, Pursh (not Smith)

Fl. 223. (On the plains of the Columbia and Missouri rivers.

M. Lewis. 4. Apr. May. v. v.

*Calochortus elegans*, Pursh.

A small bulb of a pleasant flavour eat by the natives.

On the Kooskooskee, May 17, 1806.

[Small specimen - 1 leaf and 1 flower. Specimen depauperate in manner of var. *marcescens*, Wood, but petals obtusish and not ciliate.]

Pursh, Fl. 240. On the head waters of the Kooskoosky.

M. Lewis. 4. May. v. s. in Herb. Lewis. The roots are eaten by the natives.

*Tamassia esculenta*, Lindl. *Phalangium Quamash*, Pursh,  
near the foot of the Rocky Mount. Fl. 226. On the upper part of the  
ain on the Quamash flats. June Missouri, near the Rocky mountain.  
23. 1806. [Good specimen.] M. Lewis. H. June, U.S. in Herb. Lewis.

*Erythronium grandiflorum*, Pursh. Fl. 231. On the Koos-  
Aquamone bulb. On the waters of Kooskey. M. Lewis. H. May,  
the Kooskooskee, June 5. 1806. June, U.S.  
[In different specimen with one  
good flower and a poor leaf.]

*Erythronium grandiflorum*,  
var. *parviflorum*, Wats.  
From the plains of the Columbia  
near Kooskooskee Riv. May 8, 1806.  
The natives reckon the root  
unfit for food. [ 3 flowers and  
one leaf-bearing stem. Probably  
the Missouri specimen of *E.*  
*lanceolatum*, Pursh, Fl. 230.]

*Fritillaria lanceolata*, Pursh.

Specimen of a liliaceous plant obtained on Brant Island, 10<sup>th</sup> of Apr. 1806, the root of this plant is a squamus bulb, and is eaten by the natives. The Clak-clellar, opposite this island, call it Tel-lak-thil-pah.

[Complete specimen.]

*Fritillaria pudica*, Spreng.

Plains of Columbia near the Kooskooskee, May 8. 1806. The bulb in the shape of a biscuit which the natives eat. [Complete specimen corresponding well with Pursh's figure.]

*Trillium ovatum*, Pursh.

Columbia River near the rapids Apr. 10, 1806. [Upper portion of plant.]

Pursh, Fl. 230. On the head waters of the Missouri and Columbia. M. Lewis. 24. July. v.s.

*Lilium?* *pudicum*, Pursh, Fl. 228, t. 8. On the head-waters of the Missouri. M. Lewis. 24. May. v.s. in Herb. Lewis.

Pursh, Fl. 245. On the rapids of the Columbia river. M. Lewis. 24. April. v.s.

*Trillium petiolatum*, Pursh.  
*folium*. The flowers brown  
 with a fruit of brick red. On  
 the waters of the Kooskoosky.  
 June 15, 1806. [Excellent specimen.]

Pursh, Fl. 244. On the waters  
 of the Kooskoosky. M. Lewis.  
 H. June. v.s.

*Veratrum viride*, Ait. or V.  
*Californicum*, Dur. A plant  
 growing in wet places with  
 a single stem & leaves clasping  
 round one another, no flowers  
 observed. On the Kooskoosky.  
 June 25, 1806. [Single leaf only.]

*Xerophyllum tenax*, Nutt.  
 The leaves are made use of by  
 the natives to make baskets  
 and other ornaments. On high  
 land, Rocky mountains, June  
 15, 1806.

*Helonias tenax*, Pursh, Fl.  
 243. On high lands near  
 the Rocky mountains.  
 M. Lewis. H. June, v.s.

*Zygadenus elegans*, Pursh.

On the Cokalaishkit-R. July 7, 1806.

Pursh, Fl. 241. On the waters of

the Cokahlaishkit-river, near the Rocky-mountains. M. Lewis.

24. July. v.s. in Herb. Lewis.

*Airia brevifolia*, Pursh.

The most common grass through the plains of Columbia & near the Kooskooskee R. June 10, 1806.

*Poa trivialis*, L. var. [Fair specimen]

Pursh, Fl. 76. In the plains of

July. v.s. in Herb. Lewis. This grass is the most common in those plains.

*Hordeum jubatum*, L.

Called the golden or silken

Rye. On the white bear Islands on the Missouri. July 12, 1806.

Pursh, Fl. 89. On the islands of

the missouri river. M. Lewis. 1.

July. v.s. in Herb. Lewis and Lambert.

*Hordeum jubatum*, L.

Grass common to the open grounds near Fort Clatsop.

March 13, 1806.

Pursh, Fl. l.c.

*Festuca ovina*, L. var.

On the plains of Columbia.  
June 10. 1806.

*Festuca duriseta*, Pursh,

Fl. 83? [But Lewis' specimen  
not mentioned.]

On the plains of the Columbia.  
June 10, 1806.

*Festuca spicata*, Pursh, Fl. 83.

On the waters of the Missouri  
and Columbia rivers, June.  
v.s. in Herb. Lewis.

*Koeleria cristata*, Pers.

On the plains of the Columbia &c.  
June 10. 1806.

Pursh, Fl. 85. On the plains  
of the Columbia river. M. Lewis  
24. July. v.s. in Herb. Lewis.

*Stipa spartea*, Trin.

Valeys of the Missouri on the  
Rocky mountain July 8. 1806.

*Stipa juncea*, Pursh (not L.) Fl.  
72. On the banks of the Missouri.  
M. Lewis. 24. Aug. v.s. in Herb.  
Lewis.

*Gigantia aquatica*, L.

No. 59. 8<sup>th</sup> Sept. the growth  
of moist and very wet prairies.

49

[Sterile specimen of a coarsegrass.  
No label.]

83.  
Pinus ponderosa, Dougl.  
On the Kooskooskee. On river  
bottoms in rich land, west of  
the mountains. Oct. 1. 1805.

[Leaves only.]

Juniperus communis, L.  
No. 47. A species of juniper  
common to the bluffs. Oct. 17,  
Common to the bluffs, Oct. 17. 1804.

Juniperus communis, L. var.  
alpina, Gaud. Dwarf  
juniper - Rocky mountain  
July 7, 1806.

Juniperus communis, L. var.  
depressa, Pursh, Fl. 646.

[Lewis' specimen not mentioned.]

*Juniperus occidentalis*, Hook.

No. 58. Found 2<sup>nd</sup> Oct. 1804. A species of Cedar found on the Bluffs the trees of which are large some of them 6 feet in the girth. On the bluffs, some trees 6 feet in girth

Oct. 2. 1804.

*Juniperus Sabina*, var.  $\beta$ *procumbens*, Pursh.

Dwarf cedar never more than 6 inches high, open prairies -  
Oct. 16. 1804. [Small sterile specimen.]

*Equisetum arvense*, L.

No. 31. growth of the sand bank near the banks of the river taken the 10<sup>th</sup> of Aug. 1804.  
Sandbanks of the Missouri

Aug. 10. 1804.

*Juniperus spicata*, Pursh

(not Marshall von Bieb.) Fl. 647.

On the banks of the waters of the Rocky-mountain. M. Lewis. T. May. v.s. in Herb. Lewis.

Pursh, Fl. 647. within the Rocky-mountain. M. Lewis. T. v.s. in Herb. Lewis.  
not above 6 inches high.

*Aspidium spinulosum*, Sw.

*Polyodium* species. Fort  
Clatsop. June 20, 1806.

*Lomaria spicant*, Desv.

Fort Clatsop. June 20, 1806.

*Blechnum boreale*, Pursh (not

Willd.) Fl. 669. On the north  
west-coast. M. Lewis. H. Aug.  
v.s. in Herb. Lewis.

*Hypnum*.

A species of moss from Fort  
Clatsop. June 20, 1806.

A moss used by the natives as  
a yellow dye grows on the  
Pines of the Rocky mountains.

July 1, 1806.

*Egregia Mengesii* (Turn.) Aresch.

(*Phyllospora Mengesii*.)

*Fucus*. - From the mouth of  
the Columbia River on the  
Pacific Ocean. Nov. 17, 1805.

[Loose label with *Pinus*  
*Sambucifolius*? but date differ-  
ent.] no. 24. found the 4<sup>th</sup> day  
of Sept. 1805. a small growth  
only rising to the height of 15  
feet; moist situations it seems  
to prefer - it is a handsome  
growth.

[Label only.]

The root not eaten by the natives

On the Columbia, April 14, 1806.

[Sterile and unidentified.]

stem lignescent, leaves opposite,  
narrow, linear, fascicled in axils]

A shrub about 4 feet high. On  
the plains of Columbia, May

7. 1806.









